

**CURRICULUM MAP OF THE PRECISION MACHINING TECHNOLOGY DEGREE PROGRAM (053H)**

The Precision Machining Technology student will be able to:	PMT 100	PMT 101	PMT 102	PMT 110	PMT 111	PMT 112	PMT 114	PMT 201	PMT 202	PMT 221	PMT 222	PMT 226	PMT 231	PMT 232	PMT 240	PMT 250	PMT 262	IML 120	ENG 101	HES 151	Social Science	Communication	Human Relations		
G1 - Apply safe practices when using hand tools and machinery used in the machining trade.	I	I	I	E	E	R	R	R	R	R	R				R	R	R								NIMS Benchwork
G2 - Interpret prints in both English and metric dimensions.		I	I	E	E	R	R	R	R	R	R	R	R	R	R	R	R	I							Standerized print final
G3 - Choose the correct measuring devices and equipment to inspect finished parts.	I	I	E	E	R	R	I	R	R	R					R			I							Starrett Micrometer Certifacation
G4 - Demonstrate the set-up and operations of manually operated machinery, utilizing the correct speeds and feeds to part specifications.		I	E				R	R							R										NIMS Vertical Mill/ Turning Between Centers
G5 - Demonstrate the procedures to write a program, set-up and operate a Computer Numerical Control machine.	I			I	R	E				R	R					R	R								NIMS CNC Milling
G6 - Build a Solid Model of a part using CAD software program.											I		E	R											SolidWorks Final
G7 - Produce a complex program using Computer Aid Manufacturing software.										I	E		R	R			R								Mastercam Final

Submitted by: Mark Bosworth  
 Division: Technical Education Division  
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 Status: Accepted